

## ABSTRACT

Systems and methods are disclosed that facilitate central processing unit (CPU) throttling utilizing processes to facilitate enhanced management of CPU resources and to mitigate system crashes. A process (or group thereof) that occupies CPU resources at a percentage greater than a selectable predetermined threshold percentage can be monitored, suspended for a variable time period, and resumed. The process can be monitored to determine whether suspension of the process successfully reduced the percentage of CPU resources occupied by the process. Feedback information can be generated to facilitate a determination regarding a most suitable increase or decrease to suspension time of the process in order to minimize the number of reiterations required to successfully throttle the process. The invention also provides for an Ignore functionality, *via* which a process (or group thereof) can be exempted from throttling based on an exemption of the process, group of processes, and/or user.